

Title (en)
SINGLE-PACKAGE, DUROPLASTIC HARDENABLE COATING COMPOUND

Title (de)
EINKOMPONENTIGE, DUROPLASTISCH HÄRTENDE BESCHICHTUNGSMASSE

Title (fr)
COMPOSITION D'ENDUCTION DUROPLASTIQUE DURCISSABLE A UN SEUL COMPOSANT

Publication
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Application
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Abstract (en)
[origin: US6025438A] PCT No. PCT/EP95/00864 Sec. 371 Date Jan. 15, 1997 Sec. 102(e) Date Jan. 15, 1997 PCT Filed Mar. 9, 1995 PCT Pub. No. WO95/25147 PCT Pub. Date Sep. 21, 1995A one-component thermosetting coating composition containing of one or more chemically setting binders, at least one curing or crosslinking agent, and one or more toughening substances, the composition being semisolid and tackfree at temperatures <50 DEG C., wherein the chemically setting binders have an average molecular weight (+E, ovs M+EE w) of between 500 and 250,000, a melting point of more than 50 DEG C., a glass transition temperature of more than 20 DEG C. and cure fully at temperatures in the range from 80 to 250 DEG C. and in doing so reach at least 10% of the final strength within 15 seconds, wherein the binders have epoxide groups or ethylenically unsaturated groups as reactive groups, wherein the toughening substance is selected from the group consisting of butadiene-acrylonitrile copolymers having terminal carboxyl, epoxide, amino or ethylenically unsaturated groups or are highly branched aliphatic hydrocarbon epoxides, wherein at the least one curing or crosslinking agent is a metal complex of the general formula M(SR)xBz in which M=a metal ion, L=a ligand, SR=an acid radical ion, B=a Lewis Base, x=a number from 1 to 8 and z=a number from 7 to 8, and wherein the composition may contain further additives, if desired.

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IPC 8 full level
C09D 163/00 (2006.01); **C08G 59/18** (2006.01); **C08G 59/68** (2006.01); **C09J 5/06** (2006.01); **C09J 163/00** (2006.01); **C08L 63/00** (2006.01)

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Cited by
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